

CLAIMS

1. (Currently amended) A polymer surface comprising a multilayer film or sheet wherein the polymer surface is the interior surface or exterior surface selected from the group consisting of automotive part, appliance panel, and aviation application; comprising:

a.) a first co-extruded polymeric layer consisting essentially of an ionomer and a first additive; and

b.) a second co-extruded polymeric layer consisting of an ionomer and a second additive;

wherein the film or sheet is a thermoformable film or sheet having a thickness in the range of from about 8 mils to about 60 mils; the first co-extruded polymeric layer is surface layer; the second co-extruded layer is in contact with said first co-extruded polymeric layer; and the first or second additive is one or more UV stabilizer, UV absorber, antioxidant, thermal stabilizer, anti-stat additive, processing aid, fiber glass, mineral filler, anti-slip agent, plasticizer, nucleating agent, pigment, dye, flake, or mixtures thereof.

3. (Currently amended) The polymer surface A multilayer film or sheet of Claim 1 wherein the polymer surface is the interior surface or exterior surface of the automotive part; the ionomer consists essentially of a copolymer derived from ethylene and α, β-ethenically unsaturated C₃ to C₈ carboxylic acid; and said copolymer is partially neutralized with metal ions.

6. (Currently amended) The polymer surface A multilayer film or sheet of Claim 1 wherein said polymer surface is the interior surface or exterior surface of the automotive part; the first co-extruded polymeric layer is clear; and said second co-extruded polymeric layer comprises the polymer and an additive selected from pigment, dye, flake, or mixtures thereof.

43. (Currently amended) The polymer surface of A multilayer film or sheet An article comprising a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet is the same as recited in claim 1, 3, 6, 54, 55, 57, 58, 59, 60, 61, 65, 66, 67, 71, or 72 wherein the polymer surface is adhered to a substrate.

54. (Currently amended) The polymer surface multilayer film or sheet of claim 3 wherein the multilayer film or sheet further comprising a third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

55. (Currently amended) The polymer surface multilayer film or sheet of claim 6 wherein the multilayer film or sheet further comprising a third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

57. (Currently amended) The polymer surface multilayer film or sheet of claim 6 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.

58. (Currently amended) The polymer surface multilayer film or sheet of claim 54 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.

59. (Currently amended) The polymer surface multilayer film or sheet of claim 55 wherein the thickness of the multilayer film or sheet is about 12 to about 40 mils.

60. (Currently amended) The polymer surface multilayer film or sheet of claim 3 about 12 to about 40 mils.

66. (Currently amended) The polymer surface multilayer film or sheet of claim 3 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.

67. (Currently amended) The polymer surface multilayer film or sheet of claim 6 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.

68. (Currently amended) The polymer surface multilayer film or sheet of claim 59 wherein the ionomer in the first co-extruded polymeric layer and the ionomer in the second co-extruded polymeric layer have flow properties that are matched to allow the ionomer in the first co-extruded layer and the ionomer in the second co-extruded polymeric layer, when co-extruded, flow to the full width of the die.

69. (Currently amended) The polymer surface multilayer film or sheet of claim 1 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

70. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 6 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

71. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 67 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

72. (Currently amended) The polymer surface ~~multilayer film or sheet~~ of claim 68 wherein the first co-extruded polymeric layer has a Distinctness of Image (DOI) of at least 80 and a gloss that exceeds 60% at a 20 degree angle.

83. (Currently amended) The article polymer surface of claim 43 wherein the substrate is metal, polymer, or polymer composite; and the multilayer film or sheet is optionally clear.

84. (Currently amended) The article polymer surface of claim 83 wherein the substrate is metal, polymer, or polymer composite and the substrate optionally has a printed design or pattern and said multilayer film or sheet is clear.

85. (New) The polymer surface of Claim 1 wherein the polymer surface is the interior surface or exterior surface of the appliance panel; the ionomer consists essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C₃ to C₈ carboxylic acid; and the copolymer is partially neutralized with metal ions.

87. (New) The polymer surface of Claim 1 wherein polymer surface is the interior surface or exterior surface of the appliance panel; the first co-extruded polymeric layer is clear; and the second co-extruded polymeric layer comprises the polymer and an additive selected from pigment, dye, flake, or mixtures thereof.